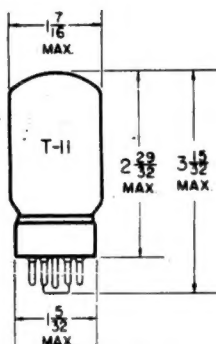


## TUNG-SOL

## BEAM PENTODE



GLASS BULB

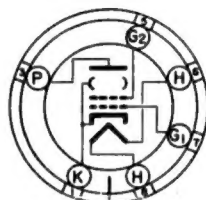
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 1.2 AMPERES

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE (SHORT)  
SHELL 6 PIN OCTAL LOW  
LOSS PHENOLIC BASE

THE 6AR6 IS A BEAM POWER AMPLIFIER DESIGNED SPECIFICALLY FOR APPLICATIONS REQUIRING RELATIVELY HIGH PEAK PLATE CURRENTS AT NEGATIVE GRID POTENTIALS. IT IS CONSTRUCTED TO WITHSTAND RELATIVELY HIGH PLATE POTENTIALS.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD W8-210

FILAMENT VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	200	VOLTS
MAXIMUM DC PLATE VOLTAGE	565	VOLTS
MAXIMUM DC GRID #2 VOLTAGE	300	VOLTS
DC GRID #1 VOLTAGE	-300 TO 0	VOLTS
MAXIMUM PLATE DISSIPATION	19	WATTS
MAXIMUM GRID #2 DISSIPATION	3.2	WATTS
MAXIMUM DC PLATE CURRENT	115	MA.

## DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

GRID TO PLATE: ( $G_1$ TO P)	0.55	$\mu\mu\text{f}$
INPUT: $G_2$ TO (H + K + $G_2$ )	11.0	$\mu\mu\text{f}$
OUTPUT: P TO (H + K + $G_2$ )	7.0	$\mu\mu\text{f}$
HEATER TO CATHODE: (H TO K)	5.5	$\mu\mu\text{f}$

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

## CLASS A AMPLIFIER

	TRIODE CONNECTION	PENTODE CONNECTION	
FILAMENT VOLTAGE	6.3	6.3	VOLTS
FILAMENT CURRENT	1.2	1.2	AMP.
DC PLATE VOLTAGE	200	250	VOLTS
DC GRID #2 VOLTAGE	TIED TO PLATE	250	VOLTS
DC GRID #1 VOLTAGE	-12.5	-22.5	VOLTS
GRID #1 CIRCUIT RESISTANCE (MAX.)	100 000	100 000	OHMS
DC PLATE CURRENT	90	77	MA.
GRID #2 CURRENT	TIED TO PLATE	5	MA.
PLATE RESISTANCE (APPROX.)	1 000	21 000	OHMS
TRANSCONDUCTANCE	6 000	5 400	$\mu\text{MHOS}$
DC GRID #1 VOLTAGE FOR PLATE CURRENT CUTOFF		-65	VOLTS

→ INDICATES A CHANGE OR ADDITION

6AR6

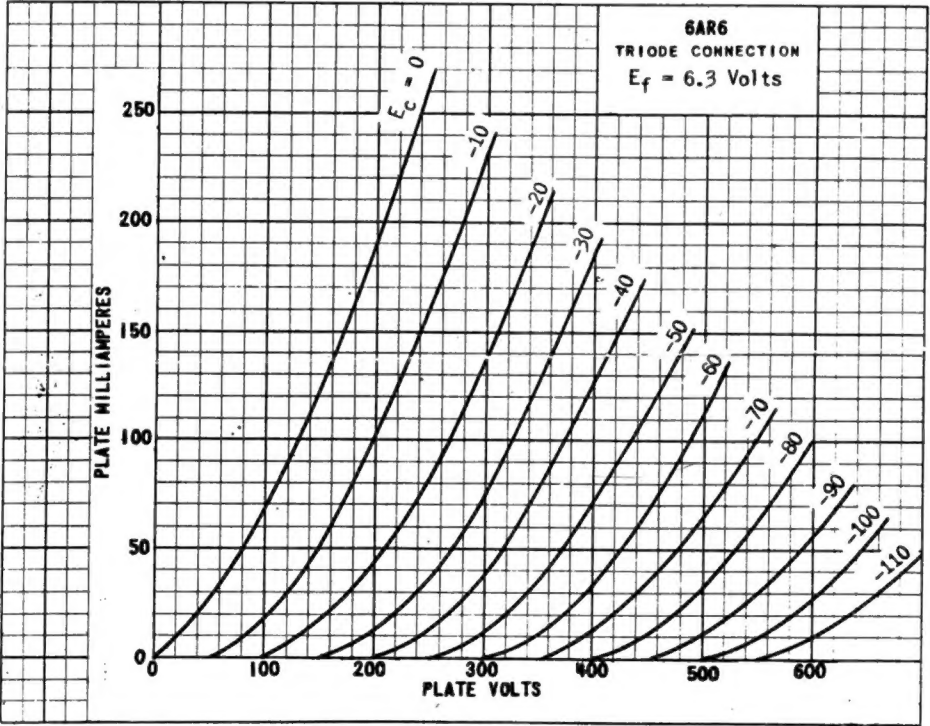
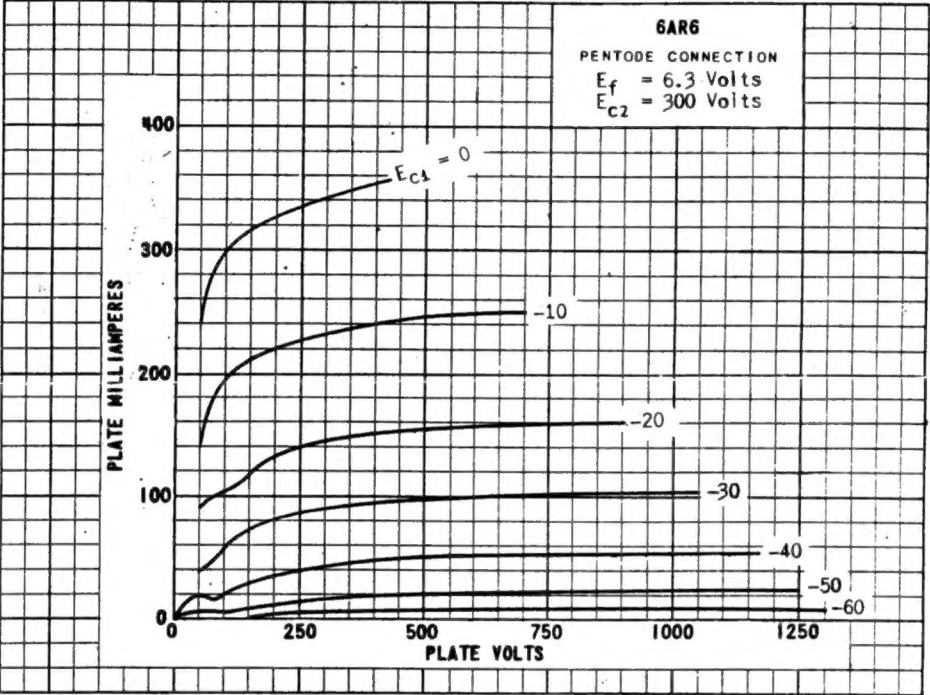


PLATE  
1750  
JULY 1,  
1947